

# July 1999 Planning Reference

Date	Flight	Launch Vehicle	Element
October 2002	1J/A	Endeavour (STS-123)	<ul style="list-style-type: none"><li>◆ Japanese Experiment Module Experiment Logistics Module</li><li>◆ Science Power Platform solar arrays with truss</li></ul>
January 2003	1J	Discovery (STS-124)	<ul style="list-style-type: none"><li>◆ Kibo Japanese Experiment Module</li><li>◆ Japanese Remote Manipulator System</li></ul>
February 2003	UF-3	Endeavour (STS-125)	<ul style="list-style-type: none"><li>◆ Multi-Purpose Logistics Module</li><li>◆ Express pallet</li></ul>
May 2003	UF-4	Discovery (STS-127)	<ul style="list-style-type: none"><li>◆ Express Pallet</li><li>◆ Spacelab Pallet carrying “Canada Hand” (Special Purpose Dexterous Manipulator)</li></ul>
June 2003	2J/A	Endeavour (STS-128)	<ul style="list-style-type: none"><li>◆ Japanese Experiment Module Exposed Facility</li><li>◆ Solar array batteries</li></ul>
July 2003	9R	Russian Proton	<ul style="list-style-type: none"><li>◆ Docking and Stowage Module</li></ul>
August 2003	14A	Discovery (STS-130)	<ul style="list-style-type: none"><li>◆ Cupola</li><li>◆ Science Power Platform solar arrays</li><li>◆ Zvezda Micrometeoroid and Orbital Debris shields</li></ul>
September 2003	UF-5	Endeavour (STS-131)	<ul style="list-style-type: none"><li>◆ Multi-Purpose Logistics Module</li><li>◆ Express Pallet</li></ul>
January 2004	20A	Atlantis (STS-133)	<ul style="list-style-type: none"><li>◆ U.S. Node 3</li></ul>
February 2004	1E	Discovery (STS-134)	<ul style="list-style-type: none"><li>◆ European Laboratory – Columbus Attached Pressurized Module</li></ul>
March 2004	8R	Russian Soyuz	<ul style="list-style-type: none"><li>◆ Research Module 1</li></ul>
March 2004	17A	Endeavour (STS-135)	<ul style="list-style-type: none"><li>◆ Multi-Purpose Logistics Module</li><li>◆ Destiny racks</li></ul>
May 2004	18A	Atlantis (STS-136)	<ul style="list-style-type: none"><li>◆ Crew Return Vehicle</li></ul>
June 2004	19A	Discovery (STS-137)	<ul style="list-style-type: none"><li>◆ Multi-Purpose Logistics Module</li></ul>
July 2004	15A	Endeavour (STS-138)	<ul style="list-style-type: none"><li>◆ Solar Arrays and Batteries (Photovoltaic Module S6)</li></ul>
August 2004	10R	Russian Soyuz	<ul style="list-style-type: none"><li>◆ Research Module 2</li></ul>
August 2004	UF-7	Atlantis (STS-139)	<ul style="list-style-type: none"><li>◆ Centrifuge Accommodation Module</li></ul>
September 2004	UF-6	Discovery (STS-140)	<ul style="list-style-type: none"><li>◆ Multi-Purpose Logistics Module</li><li>◆ Batteries</li></ul>
November 2004	16A	Endeavour (STS-141)	<ul style="list-style-type: none"><li>◆ Habitation Module</li></ul>

Notes: Additional Progress, Soyuz, H-II Transfer Vehicle and Automated Transfer Vehicle flights for cargo and crew transport, logistics and resupply are not listed.



Total assembly flights  
37 space shuttle flights (2 completed)  
9 Russian launches (1 completed)

